

Kansas Department of Health and Environment

Bureau of Environmental Remediation, Remedial Section

State Water Plan Contamination Remediation Program



Safe Drinking Water in Agenda

Background:

Carbon tetrachloride was detected in Public Water Supply Well #1 in 1987. Carbon tetrachloride was used as a grain fumigant by the CCC/USDA at other grain bin sites during the 50's and 60's. In 1993, carbon tetrachloride levels exceeded the drinking water standards in both of Agenda's public water supply (PWS) wells, and the City was left without a safe water supply for the approximately 90 residents.

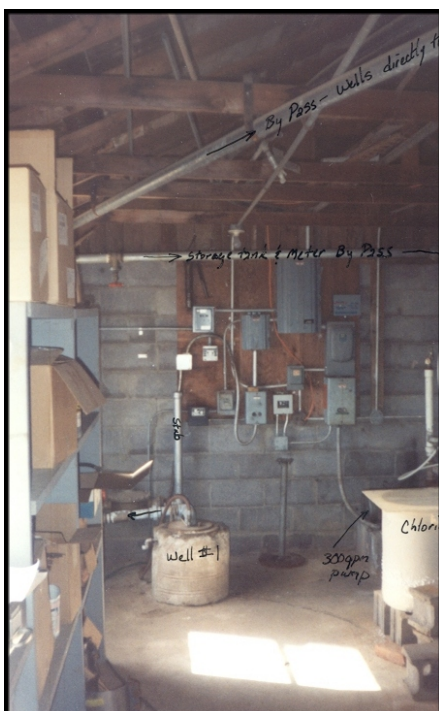
Solution:

As an emergency response measure, KDHE's State Water Plan Program purchased and installed a portable air stripper to remove carbon tetrachloride contamination from the wells and provide a temporary safe drinking water supply for the citizens of Agenda. KDHE had an air stripper installed and operating by January, 1994. The City applied for, and received a Community Development Block Grant which, along with funds from KDHE's SWP, allowed Agenda to connect to Republic County Rural Water District #2. The connection was completed in November, 1996. The City is keeping one well in operation for emergency use.



Agenda, KS.

Once the connection to the rural water district was complete, the city no longer required the use of KDHE's portable air stripper. The air stripper was operational at the site between January 1994 to November 1996. Approximately 8.9 million gallons of water were treated during that time period. The air stripper was removed from the site and reconditioned for use at future SWP sites. Because the PWS wells were no longer pumping, detections of carbon tetrachloride have been non-detect in selected wells during periodic sampling events.



Set up for air stripper.



Portable air stripper prior to installation.

Benefits:

- 8.9 million gallons of water treated
- 90 residents provided with a safe drinking water supply